

Author Index

- Bendotti, S., *see* Proffitt, A.P.B. et al.
 Bendotti, S., *see* Proffitt, A.P.B. et al.
 Boström, U.
 Earthworm populations (Lumbricidae) in ploughed and undisturbed leys 125
 Brix-Davis, K.A., *see* Clay, D.E. et al.
 Burpee, C.G., *see* Pierce, F.J. et al.
 Busscher, W.J., Edwards, J.H., Vepraskas, M.J. and Karlen, D.L.
 Residual effects of slit tillage and subsoiling in a hardpan soil 115
 Cerisola, C., *see* Hernánz, J.L. et al.
 Clay, D.E., Schumacher, T.E. and Brix-Davis, K.A.
 Carbon and nitrogen mineralization in row and interrow areas of chisel and ridge tillage systems 167
 Dexter, A.R., *see* Whalley, W.R. et al.
 Döll, H., *see* Tijink, F.G.J. et al.
 Domżał, H., *see* Horn, R. et al.
 Dumitru, E., *see* Whalley, W.R. et al.
 Edwards, J.H., *see* Busscher, W.J. et al.
 Girón, V.S., *see* Hernánz, J.L. et al.
 Glancey, J.L. and Upadhyaya, S.K.
 An improved technique for agricultural implement draught analysis 175
 Guiesse, M., *see* Revel, J.C. et al.
 Guiesse, M. and Revel, J.C.
 Erosion due to cultivation of calcareous clay soils on hillsides in south-west France. II. Effect of
 ploughing down the steepest slope 157
 Håkansson, I. and Medvedev, V.W.
 Protection of soils from mechanical overloading by establishing limits for stresses caused by heavy
 vehicles 85
 Håkansson, I., Van Ouwerkerk, C. and Soane, B.D.
 Conclusions of the ISTRO Workshop on 'The Effects of Soil Compaction on Physical, Chemical and
 Biological Factors in the Environment', 25 August 1993, Melitopol, Ukraine 111
 Hernánz, J.L., Girón, V.S. and Cerisola, C.
 Long-term energy use and economic evaluation of three tillage systems for cereal and legume
 production in central Spain 183
 Horn, R., Domżał, H., Słowińska-Jurkiewicz, A. and Van Ouwerkerk, C.
 Soil compaction processes and their effects on the structure of arable soils and the environment 23
 Karlen, D.L., *see* Busscher, W.J. et al.
 Lipiec, J. and Stepniewski, W.
 Effects of soil compaction and tillage systems on uptake and losses of nutrients 37
 McGarry, D., *see* Proffitt, A.P.B. et al.
 Medvedev, V.W., *see* Håkansson, I. et al.
 O'Sullivan, M.F. and Simota, C.
 Modelling the environmental impacts of soil compaction: a review 69
 Pierce, F.J. and Burpee, C.G.

- Zone tillage effects on soil properties and yield and quality of potatoes (*Solanum tuberosum* L.) 135
- Proffitt, A.P.B., Bendotti, S. and McGarry, D.
 A comparison between continuous and controlled grazing on a red duplex soil. I. Effects on soil physical characteristics 199
- Proffitt, A.P.B., Bendotti, S. and Riethmuller, G.P.
 A comparison between continuous and controlled grazing on a red duplex soil. II. Subsequent effects on seedbed conditions, crop establishment and growth 211
- Revel, J.C., *see* Guiresse, M. et al.
- Revel, J.C. and Guiresse, M.
 Erosion due to cultivation of calcareous clay soils on the hillsides of south west France. I. Effect of former farming practices 147
- Riethmuller, G.P., *see* Proffitt, A.P.B. et al.
- Schumacher, T.E., *see* Clay, D.E. et al.
- Simota, C., *see* O'Sullivan, M.F. et al.
- Śłowińska-Jurkiewicz, A., *see* Horn, R. et al.
- Soane, B.D., *see* Håkansson, I. et al.
- Soane, B.D., *see* Van Ouwerkerk, C. et al.
- Soane, B.D. and Van Ouwerkerk, C.
 Implications of soil compaction in crop production for the quality of the environment 5
- Stępniewski, W., *see* Lipiec, J. et al.
- Tijink, F.G.J., Döll, H. and Vermeulen, G.D.
 Technical and economic feasibility of low ground pressure running gear 99
- Upadhyaya, S.K., *see* Glancey, J.L. et al.
- Van Ouwerkerk, C., *see* Håkansson, I. et al.
- Van Ouwerkerk, C., *see* Horn, R. et al.
- Van Ouwerkerk, C., *see* Soane, B.D. et al.
- Van Ouwerkerk, C. and Soane, B.D.
 ISTRO Workshop on 'The Effects of Soil Compaction on Physical, Chemical and Biological Factors in the Environment', 25 August 1993, Melitopol, Ukraine 1
- Vepraskas, M.J., *see* Busscher, W.J. et al.
- Vermeulen, G.D., *see* Tijink, F.G.J. et al.
- Whalley, W.R., Dumitru, E. and Dexter, A.R.
 Biological effects of soil compaction 53

